

REMARKS

The present application includes claims 1- 7. Claims 1 and 6 have been amended and claim 7 has been added. No new matter has been added. The applicants respectfully request reexamination and reconsideration.

In the August 9, 2007 Office Action, the Examiner rejected claims 1 – 3 and 6 under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 6,181,796 to Johnson (“the Johnson reference”). The Examiner rejected claim 4 as being anticipated by the Johnson reference and further in view of Official Notice. The Examiner rejected claim 5 under 35 U.S.C. § 103(a) as being anticipated by the Johnson reference and U.S. Patent No. 4,503,554 to Davis (“the Davis reference”). These rejections are respectfully traversed in so far as they are applicable to the presently pending claims.

Claim 1, as recited:

An array driving system for driving a plurality of loads comprising:  
the plurality of loads arranged like an array; and  
a plurality of driving circuits provided to correspond with the plurality of loads, respectively,  
wherein one terminals of the plurality of loads are respectively connected to corresponding outputs of the plurality of driving circuits and the other terminals thereof are connected each other, and  
**wherein driving signals are respectively supplied to the plurality of loads so that a phase of the driving signal supplied to one of the plurality of loads is opposed to that of the driving signal supplied to the adjacent loads and subsequent driving signals of the driving signals are generated by applying a predetermined delay to a first drive signal.**

The Examiner states that Figures 5 - 7 of the Johnson reference discloses that driving signals are supplied to the plurality of loads so that a phase of the driving signal supplied to one of the plurality of loads is opposed to that of the driving signal supplied to the adjacent loads of different phase polarity. (*Office Action, page 2*). The applicants have amended the claims to

further clarify the invention. Figs. 5 – 7 of the Johnson reference illustrate two separate channels (i.e., 111R and 111L) which are correlated. However, there is no disclosure in the Johnson reference that signals 111R and 111L are generated based on one another. This is in contrast to array driving system of claim 1, as amended, which recites **subsequent driving signals of the driving signals are generated by applying a predetermined delay to a first drive signal**. Accordingly, applicants respectfully submits that claim 1, as amended, distinguishes over the Johnson reference.

The Davis reference does not make up for the deficiencies of the Johnson reference. The Examiner utilizes the Davis reference to disclose a system having a similar concept of array drivers which have a plurality of LEDs and anodes and cathodes of the adjacent LEDs which are connected to a common line and further cathodes are connected to the common line. In addition, the Davis reference discloses that the power supply resistor indicates the working conditions of the blend circuit. (*Office Action, page 5*). However, the Davis reference does not disclose an array driving system including a plurality of loads and a plurality of driving circuits wherein **subsequent driving signals of the driving signals are generated by applying a predetermined delay to a first drive signal**. Accordingly, applicants respectfully submit that claim 1, as amended, distinguishes over the Davis / Johnson combination.

Independent claim 6, as amended, recites limitations similar to claim 1. Accordingly, applicants respectfully submit that claim 6 distinguishes over the Johnson / Davis combination for reasons similar to those discussed above in regard to claim 1.

Claims 2 – 5 depend, indirectly or directly, on independent claim 1, as amended. Accordingly, applicants respectfully submit that claims 2 – 5 distinguish over the Johnson / Davis combination for the same reasons as those discussed above in regard to claim 1.

New claim 7 further also over the cited references. Claim 7 recites:

An array driving system for driving a number  $n$  of loads comprising:  
the  $n$  number of loads arranged like an array; and  
a number  $n$  of driving circuits provided to correspond with the  $n$  number of loads,  
respectively,

**wherein one terminal of the  $n$  number of loads are respectively connected to corresponding outputs of the  $n$  number of driving circuits and the other terminals thereof are connected with each other which only requires  $(n + 1)$  wirings for the array driving system, and**

**wherein driving signals are respectively supplied to the  $n$  number of loads so that a phase of the driving signal supplied to one of the  $n$  number of loads is opposed to that of the driving signal supplied to the adjacent loads.**

The Johnson reference, like many other conventional driving systems, require at least a number  $2 \times n$  of wirings because two wires are utilized for each load (e.g., speaker unit) and one wire is utilized for ground. Accordingly, the Johnson reference does not disclose the above-highlighted limitation. The Davis reference also does not disclose the above-highlighted limitation. Accordingly, applicants respectfully submit that claim 7 distinguishes over the Johnson / Davis combination.

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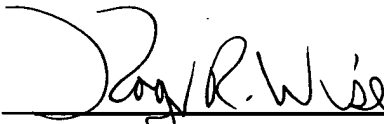
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Applicants believe that the claims are in condition for allowance, and a favorable action is respectfully requested. If for any reason the Examiner finds the application other than in condition for allowance, the Examiner is requested to call either of the undersigned attorneys at the Los Angeles telephone number (213) 488-7100 to discuss the steps necessary for placing the application in condition for allowance should the Examiner believe that such a telephone conference would advance prosecution of the application.


Respectfully submitted,

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